

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40C 146602-1527 - Diesel Engine

Sample No: LH0266326

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0266326	---	---	---
Sample Date	10 Aug 2023	---	---	---
Machine Hours	530	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

CALGARY METALS (1985) LTD.
 3415 OGDEN RD. SE.
 CALGARY, AB
 CA T2G 4N4
 Contact: Steve Goodzeck
 sgoodzeck@calgarymetal.com
 T: (403)262-4542
 F:



OIL CONDITION

Visc @ 100°C	cSt	12.0	---	---	---
Oxidation (PA)	%	208	---	---	---



CONTAMINATION

Soot %	%	0	---	---	---
Nitration (PA)	%	99	---	---	---
Sulfation (PA)	%	114	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	1.6	---	---	---
Silicon	ppm	10	---	---	---
Sodium	ppm	3	---	---	---
Potassium	ppm	4	---	---	---

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample. Metal levels are typical for a new component breaking in. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	13	---	---	---
Copper	ppm	206	---	---	---
Lead	ppm	8	---	---	---
Tin	ppm	1	---	---	---
Aluminum	ppm	4	---	---	---
Chromium	ppm	2	---	---	---
Molybdenum	ppm	45	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	1349	---	---	---
Magnesium	ppm	958	---	---	---
Zinc	ppm	859	---	---	---
Phosphorus	ppm	762	---	---	---
Barium	ppm	17	---	---	---
Boron	ppm	104	---	---	---

Depot: CAL341CAL
Unique No: 5620636
Signed: Kevin Marson
Report Date: 15 Aug 2023



GRAPHS

